

### **REMARKS**

This responds to the Office Action mailed on July 31, 2008. Reconsideration is respectfully requested.

By this response, claims 1, 2 and 11 are amended, no claims are canceled, and no claims are added; as a result, claims 1, 2, 4, 6 – 18, and 20 – 37 remain pending in this application. Claims 15, 16 and 20 – 37 are currently withdrawn from consideration. Claims 3, 5 and 19 were previously cancelled.

#### **Allowable Subject Matter**

Claims 2, 4, 6-14 and 17-18 were objected to as being dependent upon a rejected base claim, but were indicated to be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Claims 2 and 11 have been rewritten in independent form to include all of the limitations of base claim 1 and are therefore believed to be allowable. Claims 4, 6 – 10, 12 – 14, 17 and 18 are believed to be allowable at least because of their dependency on claim 2.

#### **§103 Rejection of the Claims**

Claim 1 was rejected under 35 U.S.C. § 103(a) as being unpatentable over Burden et al. (U.S. 6,572,830; hereinafter “Burden”) in view of Riemer et al (U.S. 5,886,671; hereinafter “Riemer”). Applicant’s claim 1 has been amended to recite that the active reflect-array antenna system comprises a plurality of individual semiconductor wafers arranged together on a surface, and that each wafer is configured to receive, amplify and retransmit. This recitation is also recited in claim 2. As discussed in the prior office action, neither Burden nor Riemer teach a surface heating system that uses, in addition to the low-power feed, an active reflect-array that comprises plurality of individual semiconductor wafers arranged together on a surface, where each wafer is configured to receive, amplify and retransmit. Accordingly, Applicant submits that claim 1 is allowable and that no new issues have been raised by this amendment as these limitations of claim 2 have already been considered by the Examiner. Accordingly, Applicant believes that this amendment after the Final Office Action should be entered.

CONCLUSION

Applicant respectfully submits that the claims are in condition for allowance and notification to that effect is earnestly requested. The Examiner is invited to telephone Applicant's attorney at (480) 659-3314 to facilitate prosecution of this application.

If necessary, please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

Respectfully submitted,

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Date September 24, 2008

By /

  
Gregory J. Gorrie

Reg. No. 36,530

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being filed using the USPTO's electronic filing system EFS-Web, and is addressed to: MS AF, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 25<sup>th</sup> day of September, 2008.

  
Name

  
Signature